CLAIMS

1.   Method for establishing a connection via a first serving edge node (11) of a serving network (1), which method comprises a step of receiving one or more diversity parameters defining one or more diversities between said connection and a further connection via a second serving edge node (12) of said serving network (1), characterised in that said first serving edge node (11) and said second serving edge node (12) are different serving edge nodes (11,12), which method comprises the steps of exchanging information between said serving edge nodes (11,12) and of, in response to exchanged information, setting up at least a part of said connection.

2.   Method according to claim 1, characterised in that said first serving edge node (11) is coupled via a first client edge node (21) to a client source node (20) in a client network (2), and which second serving edge node (12) is coupled via a second client edge node (22) to said client source node (20) in said client network (2), with said first client edge node (21) and said second client edge node (22) being different client edge nodes (21,22) situated in said client network (2).

3.   Method according to claim 1 or 2, characterised in that said exchanged information comprises a request flowing from first serving edge node (11) to second serving edge node (12), with at least a part of each connection being defined by one or more connection parameters.

4.   Method according to claim 4, characterised in that said exchanged information comprises one or more further connection parameters defining at least a part of said further connection and flowing from second serving edge node (12) to first serving edge node (11), with said first serving edge node (11) calculating at least a part of said connection.

5.   Method according to claim 4, characterised in that said exchanged information comprises one or more connection parameters defining at least a part of said connection and flowing from first serving edge node (11) to second serving edge node (12), with said second serving edge node (12) calculating at least a part of said connection.

6.   Method according to claim 3, 4 or 5, characterised in that a connection parameter comprises at least one of a connection identification, a connection node, a connection link, a connection resource, a connection source and a connection destination, with a diversity parameter comprising at least one of a link diversity, a node diversity, a resource diversity, a shared risk diversity, a link non-diversity, a node non-diversity, a resource non-diversity and a shared risk non-diversity.

7.   Serving edge node (40) for performing a method for establishing a connection via a first serving edge node of a serving network, which method comprises a step of receiving one or more diversity parameters defining one or more diversities between said connection and a further connection via a second serving edge node of said serving network, characterised in that said first serving edge node and said second serving edge node are different serving edge nodes, which method comprises the steps of exchanging information between said serving edge nodes and of, in response to exchanged information, setting up at least a part of said connection, and which serving edge node (40) comprises a request-transceiver (62) for transceiving a request to/from another serving edge node and comprises a connection-parameter-transceiver (63) for transceiving connection parameters to/from another serving edge node and comprises a calculator (64) for calculating at least a part of said connection.

8.   Interface (60) for use in a serving edge node (40) for performing a method for establishing a connection via a first serving edge node of a

serving network, which method comprises a step of receiving one or more diversity parameters defining one or more diversities between said connection and a further connection via a second serving edge node of said serving network, characterised in that said first serving edge node and said

5   second serving edge node are different serving edge nodes, which method comprises the steps of exchanging information between said serving edge nodes and of, in response to exchanged information, setting up at least a part of said connection, and which interface (60) comprises a request-transceiver (62) for transceiving a request to/from another serving edge

10   node and comprises a connection-parameter-transceiver (63) for transceiving connection parameters to/from another serving edge node and comprises a calculator (64) for calculating at least a part of said connection.

9.   Client edge node (70) for performing a method for establishing a

15   connection via a first serving edge node of a serving network, which method comprises a step of receiving one or more diversity parameters defining one or more diversities between said connection and a further connection via a second serving edge node of said serving network, characterised in that said first serving edge node and said second serving edge node are different

20   serving edge nodes, which method comprises the steps of exchanging information between said serving edge nodes and of, in response to exchanged information, setting up at least a part of said connection, and which client edge node (70) comprises a diversity-parameter-transceiver (92) for transceiving diversity parameters to/from another node and comprises a

25   connection-parameter-transceiver (93) for transceiving connection parameters to/from another node.

10.   Interface (90) for use in a client edge node (70) for performing a method for establishing a connection via a first serving edge node of a

30   serving network, which method comprises a step of receiving one or more diversity parameters defining one or more diversities between said

connection and a further connection via a second serving edge node of said serving network, characterised in that said first serving edge node and said second serving edge node are different serving edge nodes, which method comprises the steps of exchanging information between said serving edge nodes and of, in response to exchanged information, setting up at least a part of said connection, and which interface (90) comprises a diversity-parameter-transceiver (92) for transceiving diversity parameters to/from another node and comprises a.connection-parameter-transceiver (93) for transceiving connection parameters to/from another node.

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